

Claims

- [c1] What is claimed is:
1. An electronic apparatus comprising:
a controller having a serial AT Attachment (SATA) port,
and being electrically coupled to a host through the
SATA port; and
a plurality of peripheral devices electrically coupled to
the controller using digital means;
wherein the controller allows the host to access the pe-
ripheral devices through the SATA port.
 - [c2] 2. The electronic apparatus of claim 1, wherein the con-
troller operates as a port multiplier to allow the host to
access the peripheral devices through the SATA port.
 - [c3] 3. The electronic apparatus of claim 1, wherein the pe-
ripheral devices electrically coupled to the controller at
least comprise an optical storage device and a non-
volatile storage device.
 - [c4] 4. The electronic apparatus of claim 3, wherein the non-
volatile storage device is a flashcard access device or a
hard-disk drive.

- [c5] 5.The electronic apparatus of claim 1, wherein the peripheral devices include a first peripheral device and a second peripheral device, and the controller directly transfers data stored on the first peripheral device to the second peripheral device without buffering the data in the host.
- [c6] 6.A method of accessing an electronic apparatus, the method comprising:
providing a controller having a serial AT Attachment (SATA) port, and being electrically coupled to a host through the SATA port;
electrically coupling a plurality of peripheral devices to the controller using digital means; and
accessing the peripheral devices from the host through the SATA port.
- [c7] 7.The method of claim 6, furthering comprising operating the controller as a port multiplier to allow the host to access the peripheral devices through the SATA port.
- [c8] 8.The method of claim 6, wherein the peripheral devices electrically coupled to the controller at least comprise an optical storage device and a non-volatile storage device.
- [c9] 9.The method of claim 6, wherein the non-volatile storage device is a flashcard access device or a hard-disk

drive.

- [c10] 10. The method of claim 6, wherein the peripheral devices include a first peripheral device and a second peripheral device, and the method further comprises directly transferring data stored on the first peripheral device to the second peripheral device without buffering the data in the host.